LEDINSKY, O.; LEDINSKA, N.; FANTIS, A.; BERAN, J.

Histological changes in various organs at the beginning of & during hibernation. Cesk. neur. 21 no.4:262-266 July 58.

1. I. chirurgicka klinika v Plzni, prednosta doc. Dr Domansky, ustav experimentalni patologie VLA JEvP, neurochirurgicka klinika VLA JEvP, ustav soudniho lekarstvi VLA JEvP. O. L., Plzen, Neurolog. klinika.

(HIBERNATION, ARTIFICIAL, eff.
histol. eff. on rabbit organs, comparison with simple hypothermia (Cz))

(HYPOTHERMIA, eff.
histol. eff. on rabbit organs, comparison with artif. hibernation (Cz))

USSR/Human and Animal Morphology - (Normal and Pathological) S
Nervous System. Perioheral Nervous System

Abs Jour : Ref Zhur Biol., No 6, 1959, 26109

Author : Polachek, P., Ledinskaya, N.
Inst : -
Title : The Changes of Peripheral Nervous System Which Arise in Cooling and Artificial Hypothermia in Laboratory Animals

Orig Pub : Byul. eksperim. biol. i med., 1958, 45, No 5, 118-121

Abstract : Intramural cardiac ganglia, intramural nerve plexuses of duodenum and richly innervated joint capsules of hip and knee joints were studied in three series of experiments on 78 rats and 10 rabbits. The obtained data testifies to the most significant changes of the peripheral nervous system of animals which were subjected to simple cooling. In artificial hypothermia (according to Labori) and in action of largactyl, these changes are less expressed. The lower the body temperature and the longer the

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KOROTICH, A.S., dotsent; SHCHERBAK, Yu.N., nauchnyy sotrudnik; KONONYUK, G.Ya.; PIKHULYA, K.F.; ROTOV, I.V., kand. veter. nauk; LEDIN, V.Ye.; KURAKINA, T.A.

Analysis of the vaginal mucus in cattle as a method for diagnosing brucellosis. Veterinariia 39 no.10:78-86 O '62. (MIRA 16:6)

1. Kiyevskiy nauchno-issledovatel'skiy institut epidemiologii i mikrobiologii (for Korotich, Shcherbak). 2. Donetskaya oblastnaya veterinarno-bakteriologicheskaya laboratoriya (for Kononyuk). 3. Donetskaya oblastnaya sanitarno-epidemiologicheskaya stantsiya (for Pikhulya). 4. Dal'nevostochnyy nauchno-issledovatel'skiy veterinarnyy institut (for Rotov). 5. Respublikanskaya veterinarno-bakteriologicheskaya laboratoriya Ministerstva sel'skogo khozyaystva UkrSSR (for Ledin). 6. Zaveduyushchaya serologicheskim otdelom L'vovskoy oblastnoy veterinarno-bakteriologicheskoy laboratorii (for Kurakina).

(Brucellosis in cattle)
(Vaginal smears)

LEDINSKY, Quido, MUDr

Experience in surgical treatment of injuries of the spinal cord.
Neur. psychiat. cesk. 17 no.5:280-291 Oct 54.

1. Z neurochir. klin. VLA v Hradci Kralove
(SPINE, wounds and injuries
surg.)
(WOUNDS AND INJURIES
spine, surg.)

LEDINSKA, Nada, MUDr; LEDINSKY, Quido, MUDr

Minute volume of the carotid artery by rheo-plethysmography in artificial hibernation. Rozhl.chir. 34 no.4:222-229 Apr '55.

1. Z katedry pathologicke fysiologie a neurochirurgicke kliniky Vojenske lekarske akademie v Hradci Kralove

(HIBERNATION, artificial
blood volume of carotid artery determ., rheoplethysmography)
(BLOOD VOLUME, determination
carotid artery in artif. hibernation, rheoplethysmography)
(PLETHYSMOGRAPHY
rheoplethysmography in determ. of carotid blood volume in artif. hibernation)

GDR/General Problems of Pathology - Tumors. Metabolism. U

Abs Jour : Ref Zhur Biol., No 6, 1959, 27369

Author : Ledinskiy, Quido; Stepan, Jan

Inst : -

Title : On Clinical-Biochemical Analysis of the Contents of Cystic Tumors of Brain and Spinal Cord

Orig Pub : Zbl. Neurochirurg., 1957, 17, No 6, 378-385

Abstract : The contents of 11 cysts of brain and spinal cord tumors were studied with the aid of various chemical methods, electrophoresis on paper, spectrography and chromatography. In infratentorial cysts of the cerebellum, the coefficient A/G 2, in supratentorial 2. The lowest content of sterol esters coincided with that of N. In 3 cysts the content of Bi, Ba and Al was increases; in individual cases glucosamine (4 times), glucose (3 times), pentose (4 times)and maltose (1 time) were discovered. There is no relation between the chemical composition of

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1759. HISTOLOGICAL CHANGES IN SOME ORGANS AT THE BEGINNING AND DURING THE COURSE OF HIBERNATION - Histologické zmeny některých orgánů na počátku a během dlouhodobé hibernace. Druhá část pokusů - Ledinský Q., Ledinská N., Fantiš A. and Beran J. I.Chir. Klin., Plzeň - ČSL. NEUROL. 1958, 21/4 (262-266) Tables 1

The histological changes were followed in the hypophysis, adrenals, liver, spleen and testicles of rabbits which were exposed to the cold and artificial hibernation. Thirty-one rabbits of both sexes were examined. The experiments lasted in one group for 5 hr. and in the second for 20 hr. In the hypophysis of the rabbits exposed to the cold there was vacuolization of the cells and even degeneration with necrosis in some places. In rabbits after artificial hibernation the changes were the same as to quality, quantitatively, however, much less pronounced. In the adrenals an accumulation of lipoids, in particular in the zona fasciculata takes place during the first 5 hr. of hibernation, which is not the case in animals exposed to the cold. During the following hours steroids are again freed, whereas in rabbits exposed to cold some accumulation occurs. This is in keeping with the changes in the weight of the adrenals. In the liver, glycogen is lost and signs of regressive changes are found. Further microvacuolar degeneration takes place at the centre of the lobules, resembling parenchymatous degeneration. The changes are similar in all the groups of animals, and seem most extensive in those exposed for the longest period to experimental conditions. In the spleen, loss of lymphatic tissue occurs. In the testicles of animals exposed to cold the spermiogenesis is severely disturbed, in the animals which underwent hibernation only slightly. From the histological findings it was concluded that in rabbits exposed to hibernation with lowering of the body temperature histological changes are found in all organs, although these changes are considerably smaller than in animals exposed only to the cold.

(VIII, 5)

LEDINSKY, Q.

Intra-sellar abscess. Neuropsihijatrija 7 no.3:161-166 '59.

1. Iz I. klinike med. fakulteta Karlova Sveucilista u Plznju, Predstojnki docent dr. K. Domansky.
(PITUITARY GLAND dis.)
(ABSCESS)

LEDINSKY, Q.; PITHA, V.

Bilateral encephalomalacia of the occipital lobe and its clinical course. Cesk. neur. 22 no.2:123-128 Mar 59.

1. Neurochirurgicke oddeleni I. chirurgicke kliniky, prednosta doc. Dr. K. Domansky Neurologicka klinika, prednosta prof. Dr. V. Pitha, lekarske fakulty KU. v Plzni.
(OCCIPITAL LOBE, dis.
encephalomalacia, case report (Cz))

LEDINSKY, Quido

Thrombosis of the superior longitudinal sinus in a closed cranial injury. Rozhl. chir. 38 no.6:403-406 June 59

1. I. chirurgicka klinika lek. fakulty Univ. Karlovy v Plzni, prednosta doc. dr. K. Domansky.
(SKULL, wds. & inj.) (SINUS THROMBOSIS, case reports)

LEDINSKY, Quido

Tumors of the foramen occipitale magnum. Cesk.neur.23 no.6:415-419 0'60.

1. I. chirurgicka klinika KU v Plzni, prednosta doc.dr. K.Domansky.
(BRAIN NEOPLASMS)
(OCCIPITAL LOBE neoplasms)

LEDINSKY, Q.; MRACEK, Z.; KUNC, V.

Problem of bleeding and blood coagulation in neurosurgical patients. Acta univ. carol. [Med] Suppl. 15:63-69 '61.

1. I. chirurgicka klinika lekarske fakulty University Karlovy se sidlem v Plzni, prednosta doc. dr. K. Domansky.
(BLOOD COAGULATION) (NEUROSURGERY)
(HEMORRHAGE etiol)

LEDINSKY, Quido

Muenchhausen's syndrome. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral) 4 no.4:481-484 '61.

1. I. chirurgicka klinika LFKU v Plzni; prednosta doc. MUDr. J. Spinka.
(NEUROSES OBSESSIVE COMPULSIVE case reports)

LEDINSKY, Quido

Surgical treatment of facial hemispasm. Cesk. ofth. 17 no.4/5:310-312 Jl '61.

1. I chirurgicka klinika KU v Plzni, prednosta doc. dr. K. Domansky.

(FACIAL NERVE diseases)

VYKLICKY, L., LEDINSKY, Q.

Electromyographic findings in pressure paralysis of the ramus volaris of the hand and a contribution to surgical treatment. Cesk. neur. 24 no.3:147-151 My '61.

1. Neurologicka klinika KU v Plzni, prednosta prof. dr. V. Pitha Neurochirurgicke oddeleni I. chirurgicke kliniky KU v Plzni, prednosta doc. dr. K. Domansky.

(ELECTROMYOGRAPHY) (ULNAR NERVE diseases)

PITHA, V.; LEDINSKY, Q.

Our experiences in diagnosis and therapy of brain abscess. Cesk. neur. 24 no.5:312-317 S '61.

1. Neurologicka klinika University Karlovy v Plzni, prednosta prof. dr. V. Pitha I chirurgicka klinika University Karlovy v Plzni, prednosta doc. dr. K. Domansky.

(BRAIN ABSCESS)

POLAK, O.; LEDINSKY, Q.; LEDINSKA, N.; MASIN, Z.

Electrical changes in the cortical, subcortical and brain stem structures of cats in asphyxial anoxia following temporary occlusion of the trachea (Registration with chronically implanted electrodes in light sommyl anesthesia). Cesk. neur. 24 no.5:333-340 S '61.

1. Neurologicka klinika v Plzni, prednosta prof. dr. V. Pitha I chirurgicka klinika v Plzni, prednosta doc. dr. K. Domansky.

(ELECTROENCEPHALOGRAPHY exper) (ANOXIA exper)

LEDINSKY, Q.; BAUDIS, P.

Psychotic conditions following excision of a craniospinal tumor and its successful treatment with electroshock. Cesk. psychiat. 57 no.4:271-27[illegible] Ag '61.

1. I chirurgicka a psychiatricka klinika KU v Pizni.
(BRAIN NEOPLASMS compl.) (MEDULLA OBLONGATA neoplasms)
(PHYSOSES etiol.) (SHOCK THERAPY ELECTRIC)

LEDINSKY, Q.; LEDINSKA, N.

Cheyno-Stokes respiration in craniocerebral injuries. Rozhl. chir. 41 no.9:593-596 S '62.

1. I. chirurgicka klinika, prednosta doc. dr. J. Spinka, a neurol. klin. predn. prof. dr. V. Pitha, lek. fak. Karlovy university v Plzni.
(BRAIN INJURIES ACUTE) (RESPIRATION)

LEDINSKY, Q.

Multiple actinomycotic abscesses of the brain. Cesk. neurol. 25 no.5: 337-341 S '62.

1. Neurochirurgicke oddeleni I chirurgicke kliniky lek. fak. University Karlovy v Plzni, prednosta doc. dr. J. Spinka.
(BRAIN ABSCESS) (BRAIN DISEASES) (ACTINOMYCOSIS)

LEDINSKY, Q.; MRACEK, Z.; MUSIL, V.

Motorcycle accidents from the viewpoint of neurosurgery. Acta chir. orthop. traum. cech. 30 no.4:346-348 Ag '63.

1. Neurochirurgicke oddeleni I chirurgicke kliniky lekarske fakulty KU v Plzni, prednosta doc. dr. J. Spinka.
(ACCIDENTS, TRAFFIC) (NEUROSURGERY)
(BRAIN INJURY, ACUTE) (SPINAL CORD INJURIES)
(PARAPLEGIA)

LEDINSKY, Q.; MRACEK, Z.; SMULA, Z.

Management of the painful phase in carotid angiography in restless and mentally changed neurosurgical patients. Rozh. chir. 42 no.9:596-600 S '63.

1. Neurochirurgicke oddeleni I. chirurgicke kliniky lekarske fakulty KU v Plzni, prednosta doc. dr. J. Spinka.
(CEREBRAL ANGIOGRAPHY) (CAROTID ARTERIES)
(BRAIN NEOPLASMS) (BRAIN DISEASES)
(BARBITURATES) (INTRACRANIAL PRESSURE)
(BRAIN INJURY, ACUTE) (PAIN)

LEDINSKY, Q.

A special type of respiratory failure. Cesk. neurol. 26 no.6:409-412 N'63

1. Neurochirurgicke oddeleni I. chirurgicke kliniky lekarske fakulty KU v Plzni, prednosta doc. dr. J.Spinka

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LEDINSKY, Q.; MIKYSKA, V.; PRIBYL, T.

Destructive processes of the cervical spine and its statics.
Acta chir. orthop. traum. cech. 31 no.2:142-145 Ap '64.

1. Ortopedicka klinika lekarske fakulty KU [Karlova Universita] v Plzni (prednosta doc. dr. D. Polivka) a Neurochirurgicke oddeleni chirurgicke kliniky lekarske fakulty KU [Karlova Universita] v Plzni (prednosta doc. dr. J. Spink).

LANDRGT, R.; [illegible]

Injuries of the cervical spine. Acta chir. orthop. Traum. cech. 31 no.5:457-464 O '64.

1. Ortopedicka klinika (prednosta doc. dr. D. Polivka), neurochirurgicke oddeleni chirurgicke kliniky (prednosta doc. dr. J. Spinka) lekarske fakulty Karlovy University v Plzni.

LANIRGOT, Bohumir; LEDINSKY, Guido; SUCHAN, Jaroslav.

Injuries to the cervical spine caused by jumping into the water. Plzen. lek. sborn. 23:107-110 '64

1. Chirurgicka klinika (prednosta: doc. MUDr. J. Spinka), a ortopedicka klinika (prednosta: doc. MUDr. D. Polivka), lekarske fakulty University Karlovy se sidlem v Plzni.

LEDINSKY, O.; VANEK, J.

Congenital [illegible] sinus connected [illegible] Rozhl. chir. 43 no.10:680-683 O '64.

1. Neurochirurgické oddelení I. chirurgické kliniky (prednosta doc. dr. J. Spinka) a Siklův patologicko-anatomický ústav (přednosta prof. dr. J. Vanek, DrSc.) lékařské fakulty Karlovy University v Plzni.

AMBLER, Z.; ULC, M.; LEDINSKY, Q.

Aneurysm of the internal carotid artery in its extracranial course. Rozhl. chir. 44 no.9:667-669 S '65.

1. Neurologicke oddeleni Vojenske nemocnice v Plzni (nacelnik MUDr. M. Ulc), Neurochirurgicke oddeleni (vedouci MUDr. Q. Ledinsky, CSc.) a I. chirurgicke kliniky lekarske fakulty Karlovy University v Plzni (prednosta doc. dr. J. Spinka).

LEDKOV, I.P.

Device for checking spindles on spinning machines. Tekst.prom. 17 no.2:54 F '57. (MLRA 10:2)
(Spinning machinery)

LEDKOV, V.G.

137-1958-3-4987

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 75 (USSR)

AUTHOR: Ledkov, V.G.

TITLE: Operation of a Continuous Mill for Hot Rolling of Thin Sheet Metal (Opyt raboty na tonkolistovom nepreryvnom stane goryachey prokatki)

PERIODICAL: Tr. Nauchno-tekhn. o-va chernoy metallurgii, 1956, Vol 10, pp 488-494

ABSTRACT: The continuous hot-rolling mill model 1680 of the "Zaporozhstal'" plant is equipped with four gas-heated three-sector furnaces. The design capacity of the mill, estimated during the reconstruction period at 900,000 tons per year, was surpassed in 1952. The dimensions of the slabs (S) are as follows: height 90-120 mm; width 710-1430 mm; single length 1900-2200 mm; double length 4100-4200 mm. The mill is composed of two groups of stands: the roughing stands and the finishing stands. The roughing group contains the scale scraper, a 2350-mm expansion stand, and three stands equipped with edgers; the finishing group contains a scale breaker and six four-high stands. The rolled strips are coiled into rolls (three reeling units are in operation), or cut

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Operation of a Continuous Mill for Hot Rolling of Thin Sheet Metal

into sheets and then cooled in a cooler. The average weight of S's, as well as the number of S's rolled every hour, are the principal factors responsible for the increased hourly output of the mill. In 1952 the average weight of a slab was 2011 kg, whereas in 1953 and 1954 it increased to 2190 kg and 2374 kg, respectively. The average weight of an S is a function of: a) the number of double-weight S's; b) the number of S's which can be rolled without any adjustments of the width and height of the molds (accommodating ingots of existing types). At the present time the metal which is coiled into rolls constitutes approximately 55 percent of the mill's output by weight; almost all strips intended for cutting into sheets are rolled from S's of single weight; this is dictated by the length of the coolers (80 m). Novel types of molds 2400 mm in height, re-designed casting platforms and cabs of ladling cranes, as well as modified buildings housing the stripper cranes, will make it possible to produce double-weight S's. A sharp increase in the productivity of the mill, achieved by increasing the weight of the S's and by gearing the mill to the processing of coiled stock only, is the basic task which must be accomplished in the course of a complete overhaul. The new S's will be up to 150 mm thick and 4400 mm long;

137-1958-3-4987

Operation of a Continuous Mill for Hot Rolling of Thin Sheet Metal

practically all of them will have a double length; the average weight is expected to be 4-5 tons. After the completion of the reconstruction the productivity of the mill should reach 2 million tons per year, i.e., almost twice the level of 1954.

B. Ye.

Card 3/3

MEL'TSER, V.V., dotsent, kand.tekhn.nauk; PRATUSEVICH, A.Ye., inzh.;
KSENZUK, F.A., inzh.; LEDKOV, V.G., inzh.

"Hot sheet rolling on continuous and semicontinuous mills" by M.M.Saf'ian. Reviewed by V.V.Mel'tser and others. Stal' 22 no.9:832-834 S '62. (MIRA 15:11)

1. Magnitogorskiy gornometallurgicheskiy institut i Magnitogorskiy metallurgicheskiy kombinat (for Mel'tser, Pratusevich). 2. Zavod "Zaporozhstal'" (for Ksenzuk, Ledkov).
(Rolling (Metalwork)) (Saf'ian, M.M.)

ZHETVIN, Nikita Petrovich; RAKHOVSKAYA, Faina Samoylovna; USHAKOV, Viktor Ivanovich; LEDKOV, V.G., retsenzent;

[Scale removal from metal surfaces] Udalenie okaliny s poverkhnosti metalla. Izd.2., perer. i dop. Moskva, Izd-vo "Metallurgiia," 1964. 194 p. (MIRA 17:7)

ACCESSION NR: AP4029128 S/0133/64/000/004/0343/0345

AUTHOR: Ledkov, V. G.; Markov, R. I.

TITLE: Surface finishing of stainless steel bands and sheets

SOURCE: Stal', no. 4, 1964, 343-345

TOPIC TAGS: stainless steel, dressing, finishing

ABSTRACT: The problem of removing burrs, etchings, and scratches, left from the cold rolling process on stainless steel bands and sheets is discussed in this paper. Surface finishing is one of the most important operations in the production of stainless steel raw material. According to the authors, the most modern method of surface finishing begins with a proper preparation of the material for the cold rolling process and afterward only from 0.03 to 0.06 mm should be removed from both surfaces in order to satisfy the specifications of a good product. A comparison of US and USSR specifications for finished products is given in a table. The authors describe several compact abrasive installations for surface polishing and finishing which are now being used in the USSR. The application of spring loaded rollers instead of flat beds for feeding the bands and sheets into the machine improves the purity of production. Recently, machines equipped with nylon drums impregnated with abrasives

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ACCESSION NR: AP4029128

are used for polishing metal sheets. Orig. art. has: 3 figures and 2 tables.

ASSOCIATION: Zavod "Zaporozhstal'" Ukraine ("Zaporozhstal" Plant)

SUBMITTED: 00 DATE ACQ: 28Apr64 ENCL: 00

SUB CODE: ML NO REF SOV: 002 OTHER: 006

Card 2/2

LEDKOV, Vyacheslav Georgiyevich;KOROLEV, A.A., red.; BERLIN, Ye.N., red. izd-va; ISLENT'YEVA, P.G., tekhn. red.

[Continuous pickling lines] Nepreryvnye travil'nye linii. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 158 p. (MIRA 14:11)

(Metals—Pickling)

YAKOVLEVA,S.A.; LEDKOVA,L.P.; FONDYMAKINA,A.G.

Improving the quality of yarn. Leg.prom.15 no.7:15-16 Jl'55.
(MLRA 8:10)

1. Nachal'nik otdela tekhnicheskogo kontrolya Gor'kovskoy chulochnoy fabriki im. K.TSetkin (for Yakovleva) 2. Nachal'nik tekhnicheskogo otdela Gor'kovskoy chulochnoy fabriki im. K.TSetkin (for Ledkova) 3. Zaveduyushchiy laboratoriyey Gor'kovskoy chulochnoy fabriki im. K.TSetkin (for Fondymakina)
(Yarn)

LEDL, Fr., Prof., MUDr.; BOCEK, Jiri, MUDr.

Therapy of pertussis with lysates. Cas. lek. cesk. 94 no.43: 1168-1170 21 Oct 55.

1. ORL klinika v Olomouci, prednosta prof. MUDr. F. Ledl.

(WHOOPING COUGH, therapy
nasopharyngeal mucosal lysates.)
(NASOPHARYNX
mucosal lysates, ther. of whooping cough.)

LEDLOVÁ, V.

Lowered blood potassium following 4-aminosalicylic acid. P. Rohan and V. Ledlová (Palackého Univ., Olomouc, Czech.). *Rozhledy v Tuberk.* 14, 268–70(1954).—Contrary to the findings of Heard, *et al.* (*Med. J. Australia* 2, 000 (1950)), treatment with the Na salt of 4-aminosalicylic acid or its discontinuation had no appreciable effect on mineral metabolism of tuberculous patients in various stages of the disease. During a 4-year clinical experience no lowering of the serum K level below 16 mg. % was observed. Neither did the Na, Ca, or Cl show any significant variation.

L. J. Urbánek

MD

Ledlova, V.

The effect of isonicotinoyl hydrazide (INH) on the reductase of living mycobacteria. V. Deloug, V. Ledlová, J. Pálka, and P. Rohan (Ústav exptl. Pathol., Olomouc, Czech.). *Acta Univ. Palackianae Olomucensis* 6, 7-11 (1955)(English summary).—Reduction of tellurite by a suspension of mycobacteria was evaluated either by visual assessment of the dark ppt. or by measuring tellurite remaining in the soln. colorimetrically according to Jílek and Vřeštál (*C.A.* 48, 6315*h*). INH enhances the reduction rate of tellurite reducing strains of *Mycobacterium smegmatis*, *M. tuberculosis* H 37 Rv, and H 37 Ra. This effect is more pronounced in dil. bacterial suspensions. The effect of isonicotinoyl hydrazide (INH) on alkaline phosphatase of living mycobacteria. A. Skelenovský, V. Delong, and P. Rohan. *Ibid.* 13-16.—The rate of phosphate liberation from mycobacterial suspensions is depressed by INH.

I

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DeLong V.

Alk. phosphomonoesterase in *Mycobacterium smegmatis*, *M. phlei*, *M. tuberculosis* H 37 Rv and H 37 Ra are also inhibited. Glycerophosphate was used as substrate. This effect cannot be responsible for the antibacterial activity of INH. Repeated administration of INH to rabbits lowers the level of serum alk. phosphatase. **The effect of isonicotinoyl hydrazide (INH) on the lipase of living mycobacteria.** M. Záruba and P. Rohan. *Ibid.* 17–22.—INH shows an inhibitory effect on the lipolytic activity of living *M. tuberculosis* H 37 Rv, H 37 Ra, and bovine type, as well as *M. smegmatis* in concns. less than 1 γ/ml. This effect does not rise with higher concns. of INH and disappears at 10 γ/ml. **The effect of isonicotinoyl hydrazide (INH) on the urease of living Mycobacteria.** Z. Vodička and P. Rohan. *Ibid.* 23–6.—The rate of NH_3 formation from urea cannot be used for differentiating between tuberculous and paratuberculous strains of *Mycobacteria*. INH suppresses the activity of urease of *Mycobacterium smegmatis*, *M. phlei*, *M. tuberculosis* H 37 Rv, H 37 Ra, and bovine type. The effect on this adaptive enzyme is probably due to the inhibition of its formation.

I. M. Hais

2/2

VESIN, S.; LEDLOVA-MARKALOUSOVA, O.

Roentgenology of basic functional manifestations of the stomach under physiological conditions. Cesk. rentg. 16 no.5:297-328 O '62.

1. Ustredni radiologicke oddeleni Oblastni nemocnice v Praze 5-Motole, prednosta prof. dr. S. Vesin, DrSc.
(STOMACH) (RADIOGRAPHY)

LEDLOVA-MARKALOUSOVA, O.; PRUSA, K.

Difficulties in the roentgenological diagnosis of cholecystoduodenal fistula. Importance of the time factor. Cesk. gastroent. vyz. 17 no.1:6-9 Ja '63.

1. Radiologicke oddeleni nemocnice v Praze-Motole, prednosta prof. dr. S. Vesin, DrSc. Chirurgicke oddeleni nemocnice v Praze-Motole, prednosta prof. dr. B. Niederle.
(INTESTINAL FISTULA) (BILIARY FISTULA)
(CHOLELITHIASIS) (DUODENAL DISEASES)
(GALLBLADDER DISEASES) (RADIOGRAPHY)

LEDNAR, Frantisek

Beginning of the importation of western cattle breeds in Slovakia. Vest ust zemedel 10 no.10/11:413-415 '63.

1. Kabinet pre studium vyvoja podohospodarstva, Bratislava.

LEDNEV, A.F.

Graph for determining the volume of mercury, the diameter of the capillary, and the lengths of scale divisions of the overturning deep-sea thermometer. Trudy GOIN no.40:189-194 '57. (MLRA 10:7)
(Thermometers--Graphic methods)

LEDNEV, A.N.

At the Tavda Plywood Combine. Der.prom. 10 no.9:23-26 S '61.
(MIRA 14:10)

(Tavda--Plywood industry)

LEDNEV, A.N., inzh.

Mechanization of technological processes in plywood production.
Der. prom. 12 no.5:21-23 My '63. (MIRA 16:7)

1. Tavdinskiy fanernyy kombinat.
(Plywood industry)

LEDNEV, A.P., inzhener.

Safety measures in raise advance. Bezop. truda v prom. 1 no.2:30-31 F '57. (MIRA 10:4)
(Mining engineering--Safety measures)

S

LEDNEV, A.P.; STROITELEV, M.I.; TSAY, V.V.

"Secondary mining of nonferrous and rare metal deposits" by S.L.Shashurin. Reviewed by A.P.Lednev, M.I.Stroitelev, V.V.TSai. Gor. zhur no.4:78-79 Ap '63. (MIRA 16:4)

1. Gosudarstvennyy komitet po chernoy i tsvetnoy metallurgii pri Gosplane SSSR (for Lednev). 2. Nikitovskiy kombinat (for Stroitelev, TSay).

(Mining engineering)
(Shashurin, S.L.)

LEBNEV, D. F.

42343 LEBNEV, D. F. - Novyy skorostnoy stanok dlya narezaniya rez'by vrashchayushchimisya reztsami. (Model: Srednevolzh. stankostroit, zavoda). V sb. Opyt novatorov mashinostroyeniya kuybyshev, 1948, s 60-63.

SO: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948.

GORBACH, K.D., inzh.; LEDNEV, G.S., inzh.; ZAROVNYY, V.M., tekhnik

Diesel locomotives are brought into the depot by low voltage current. Elek.i tepl.tiaga 3 no.7:23 Jl '59. (MIRA 13:3)

(Electric railroads--Repair shops)

GRIBANOV, Yu. I.; KARMILOV, A.G.; LEDNEV, I.A.

Electronic angle marker for the URS-501 X-ray apparatus. Prib. i tekh. eksp. 8 no.5:219-220 S-O '63. (MIRA 16:12)

LEDNEV, I. A.
Moscow State U imeni M. V. Lomonosov

LEDNEV, I. A.- "The dependence of the magnetic strength of nickle-zinc ferrites on temperature." Moscow State U imeni M. V. Lomonosov. Moscow, 1956. (Dissertation for the Degree of Candidate of Physicomathematical Science)

SO: Knizhnaya Letopis' No. 13, 1956

LEDNEV, I. A.

6
1-4E2c

538.221 : 621.318.134 2222
Magnetic Viscosity of Nickel-Zinc Ferrites.—I. A. Lednev & R. V. Telesnin. (*Radiotekhnika i Elektronika*, Aug. 1956, Vol. 1, No. 8, pp. 1186-1192.) A systematic experimental investigation of a series of Ni-Zn ferrites at temperatures between 78° K and the Curie point is reported. The special circuit used in conjunction with a pulse oscillograph is described.

Physics Faculty, Moscow State U.

LEDNEV, I.A.

AUTHORS: Lednev, I. A., and Telesnin, R. V. 118-9-15/26

TITLE: Note on the Magnetic Viscosity of Ni-Zn Ferrites and its Behaviour on an Arbitrary Change of Magnetization (Magnitnaya vyazkost' Ni-Zn-ferritov pri svobodnom izmenenii namagnichennosti).

PERIODICAL: Izvestiya AN SSSR Seriya Fizicheskaya, 1957, Vol. 21, Nr 9, pp. 1280-1280 (USSR.).

ABSTRACT: This is a short abstract from a lecture more detailed in "Radiotekhnika i elektronika", 1, 1186, (1956). A new method was developed for measuring the magnetic viscosity with the help of an electronic timing schedule and of an pulse oscillograph, on the screen of which the curve of the EMF caused by the viscuous change of the magnetization was observed. The viscosity of a series of industrial Ni-Zn ferrites was investigated in the temperature range from 78°K to the Curie-point. It was established, that the slow as well the fast part of the viscosity can be expressed by modified formulae from the first law for the magnetic viscosity.
There are no figures and no references.

ASSOCIATION: Faculty for Physics of the Moscow State University imeni M. V. Lomonosov (Fizicheskiy fakultet Moskovskogo gos. universiteta imeni

Card 1/2

Note on the Magnetic Viscosity of Ni-Zn Ferrites and its Behaviour on an Arbitrary Change of Magnetization. 48-9-15/26

M. V. Lomonosova).

AVAILABLE: Library of Congress.

Card 2/2

LEDNEV, I. A.

"On the Observation of the Magnetic Viscosity of Ferrites at Low Temperatures," by R. V. Telesnin and I. A. Lednev, Moscow State University, Doklady Akademii Nauk, USSR, Vol 112, No 1, Jan 57, p 48

The paper was presented by Academician I. K. Kikoin.

"At the lowering of temperature, the magnetic viscosity of the majority of the ferromagnets greatly increases, particularly that of the ferrites. This increase of the viscosity may be observed by an extremely simple method. On a toroidal ferrite specimen with a high initial permeability, μ_0 equal to about 2,000 gauss/oersted, two windings are applied: the primary is a magnetizing and the secondary is a measuring winding. The voltage from the secondary winding passing through a tube integrator or an ordinary integrating RC chain and an amplifier is fed to the vertical input of an oscillograph. The scanning voltage to the oscillograph is fed by an ordinary device through a resistance connected in series with the magnetizing toroidal winding. Through the magnetizing winding a current of low frequency is passed, for example, one of 50 cps. The amplitude of the current is chosen so that the ferrite is located in the H' field, at which the static curves of magnetization intersect. This is shown for the case of room temperature and the temperature of liquid nitrogen [Photo No 270557]. There the values of static magnetic permeability for these two temperatures are identical, and a decrease in inductance B at sufficiently low frequencies and temperatures may be conditioned only by the magnetic viscosity.

SUM-1391

LEDNEV, I.A.

The oscillograph loops [Photo No 270558] are shown for a ferrite hysteresis equal to 2,000 at temperatures of 293 degrees K (the narrow upper loop) and 78 degrees K (wide lower loop). As is apparent, the decrease of induction caused by viscosity is of a sufficiently large magnitude to be taken into consideration during the designing of a ferrite apparatus for functioning at very low temperatures." (U)

SUM. 1371

GRIBANOV, Yu.I.; KARMILOV, A.G.; LEDNEV, I.A.

Equipment for the X-ray analysis of radioactive materials. Met. i metalloved. chist. met. no. 4:228-242 '63. (MIRA 17:5)

LEDNEV, K.; [illegible], P.

Combines (Agricultural Machinery)

Harvesting silage crops with a remodeled combine. MTS 14, No. 7, 1954.

Monthly List of Russian Accessions, Library of Congress, September 1954. UNCLASSIFIED.

REVEBTSOV, V.P.; LEDNEV, M.P.; SHILOV, V.I.; OSMINKIN, A.A.; LUPEYKO, V.M.; KOPTYAYEVA, M.V.

Investigating the quality of carbon steels made from pig irons containing boron. Izv.Sib.otd.AN SSSR no.11:49-58.
(MIRA 12:2)

1. Ural'skiy filial AN SSSR.
(Steel)

S/137/61/000/007/032/072
A060/A101

AUTHORS: Lednev, M. P.; Shilov, V. I.

TITLE: Properties of titanium reforming during hot rolling

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1961, 11, abstract 7D93 ("Tr. Konferentsii: Tekhn. progress v tekhnol. prokatn. proiz-va". Sverdlovsk, Metallurgizdat, 1960, 146-159)

TEXT: On the mill ЦКБММ-35 (TsKBMM-35) with roll diameter 260 mm comparison tests were made on the forming during rolling of the alloy ВТ-1Д (BT-1D), steel 45, and Pb. Data are given on spread, forward flow, ductility, adherence, and slip, obtained during hot rolling with the use of the usual methods. The experience in rolling angles 18.7 x 18, 7 x 5 from steel 45 and alloy BT-1D is briefly described. It is concluded that the grooving of the profile made of alloy BT-1D at rolling temperatures of 850 - 1,100°C may be calculated just as for medium-carbon steel provided that the correction factor of approximately 1.5 for spread of the alloy BT-1D is taken into account. There are 11 references.

V. Mezis

[Abstracter's note: Complete translation]

Card 1/1

32110
S/598/60/000/004/019/020
D217/D302

1.1300

AUTHORS: Lednev, M.P. and Shilov, V.I.

TITLE: Peculiarities of the change of shape of technically pure titanium in hot rolling

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Titan i yego splavy. No. 4, Moscow, 1960. Metallurgiya titana, 171-183

TEXT: Experiments were carried out in a universal hot-rolling mill with ground steel rollers of 260 mm diameter. The power of the main motor of the mill was 55 kW. Since the investigation was concerned not only with lateral spread and forward flow, but also with the deformation at the center which required stopping of the strip in the roller; the specimens were rolled at a speed of 0.18 m/sec. The sizes of the specimen used can be divided into two groups: (1) those of 96, 68, 51, and 34 mm height, the width in each case being 35 mm and (2) those of 34 mm height, the width being 20 and 51 mm. The length of the specimens was 350 mm, apart from the first one, the length of which was 200 mm. The

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Peculiarities of the change ...

change in shape of alloy VT-1D was compared with that of the steel 45 and lead. For this purpose, identical specimens were made of the above metals. Two samples of titanium were investigated without reference specimens. Titanium and steel specimens were heated in an electric furnace with carborundum heaters to a temperature of 900°C. The following were studied: (1) Lateral spread in the temperature range 700-1100°C, (2) forward flow, (3) plasticity and (4) contact slip and sticking. In order to determine the zones in which sticking and slip occur, graduation lines, 2.00 ± 0.02 mm apart, were marked on the specimen surfaces with a planing machine. By measuring the distance between the graduation lines in the center of deformation, the elongations in the contact surface of the center of deformation could be determined, and when the latter were known, the occurrence of adhesion or slip could be easily determined. It was found that the alloy VT-1D had a considerably greater lateral spread than the steel 45 in the temperature range 900-1100°C; this fact must be taken into consideration when calibrating the rollers for simple and complex profiles. At 900°C, the above alloy had a high

Peculiarities of the change ...

plasticity and a low resistance to deformation, which permitted its deformation by pressure to be carried out to a greater extent than that of steel 45. The coefficient of external friction, calculated from the experimental forward flow, was lower in the case of the VT-ID alloy than that of steel 45 and lead. Lateral spread of the alloy VT-ID occurred as the result of intense barrel formation, and transverse deformation of the contact surfaces was either absent or negative. Length of the adhesion zone for the alloy VI-ID was 86-89% of the length of the center of deformation, whereas in the case of steel 45 and lead, it was 24-75% and 0-49%, respectively, for identical sizes of initial strip and reduction in area. This is ascribed to the different lateral spread of the above metals. There are 12 figures, 2 tables and 11 references: 10 Soviet-bloc and 1 non-Soviet-bloc.

Card 3/3

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1.1300

S/136/60/000/009/004/004
E193/E483

AUTHORS: Shilov, V.I., Candidate of Technical Sciences and Lednev, M.P., Candidate of Technical Sciences

TITLE: Lateral Spreading of Titanium during Hot Rolling

PERIODICAL: Tsvetnyye metally, 1960, No.9, pp.75-77

TEXT: With rapidly increasing production of wrought titanium products, the problem of behaviour of this metal during rolling has become more and more important and the object of the present investigation was to study one aspect of this problem by comparing spreading of titanium during hot rolling with that of steel and lead. The experiments were carried out on a universal rolling mill with polished steel rolls, 260 mm in diameter. The dimensions of the test pieces varied from 99.87 (height) x 33.8 (width) to 34.07 x 50.92. The first series of experiments was carried out at the rolling speed of 0.18 m/sec. The rolling temperature for steel and titanium in most cases was 900°C, some experiments having been carried out between 700 and 1100°C. The results are reproduced in a table on p.75, the letters in the first column denoting the material of the rolled specimen, T standing for titanium, CT for steel and C for lead,

Card 1/3

Lateral Spreading of Titanium During Hot Rolling

the lateral spreading being given by $\Delta b/\Delta h$, where Δb is the increase in width and Δh is the decrease in thickness of the test piece. It was found that $\Delta b/\Delta h$ for technical titanium is considerably larger than that for steel 45 and twice as high as for lead. The analysis of the experimental results showed that (a) irrespective of their width : height ratio, titanium bars tend to spread more in the centre than at the top and bottom; this is shown by the data on Δb_{max} (see the table); (b) there is practically no spreading of the layer near the contact area and this layer tends to be "dragged" as a result of adhesion of the rolled metal to the rolls. Up to the temperature of 800°C, spreading of titanium and steel was approximately equal; at 900°C, lateral spreading of steel increased only slightly, whereas that of titanium increased almost two-fold, this effect having been attributed to the allotropic $\alpha \rightarrow \beta$ transformation of titanium, taking place at 882°C. The object of experiments, carried out at the rolling speed of 1.6 m/sec, was to elucidate the effect of rolling speed on lateral spreading of titanium and steel. The results (see the lower part of the table) showed that

S/136/60/000/009/004/004
E193/E483

Lateral Spreading of Titanium During Hot Rolling

(a) lateral spreading of both steel and titanium decreased by 20 to 25% with increasing speed of rolling; (b) under conditions of rolling at higher speeds, spreading of titanium at the contact area is similar to that of steel and (c) the ratio of spreading coefficient of technical titanium to that of steel 45 is the same at high and low rolling speeds. There are 1 figure, 1 table and 3 Soviet references.

ASSOCIATION: UFAN

Card 3/3

FEYGIN, Geshel' Davidovich; LEDNEV, M.P., retsenzent; KRYZHOVA, M.L., red. izd-va; TURKINA, Ye.D., tekhn. red.

[Organizing the storage and maintenance of iron mill rolls] Organizatsiia valkovogo khoziaistva. Sverdlovsk, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii. Sverdlovskoe otd-nie, 1961. 118 p. (MIRA 14:7)

(Rolls (Iron mills))

TRET'YAKOV, Andrey Vladimirovich; FOBEDIN, I.S., kand. tekhn. nauk, retsenzent; LEDNEV, Mikhail Petrovich, red.; SYRCHINA, M.M., red. izd-va; MAL'KOVA, N.T., tekhn. red.

[Cold-rolling mill potentialities] Rezervy stanov kholodnoi prokatki. Sverdlovsk, Metallurgizdat, 1962. 197 p. (MIRA 15:9)

(Rolling mills)

SHURAVLEV, Mikhail Vasil'yevich; SKORNYAKOV, Venedikt Borisovich; LEDNEV, M.P., retsenzent; GUBASHEV, N.I., red.; SKOROBOGACHEVA, A.P., red.izd-va; MATLYIK, R.M., tekhn. red.

[Cleaning and finishing of rolled products]Otdelka prokata. Sverdlovsk, Metallurgizdat, 1962. 215 p. (MIRA 16:2)
(Rolling (Metalwork)) (Metals--Finishing)

TARNOVSKIY, Iosif Yakovlevich; SMIRNOV, Vitaliy Kuz'mich; KOTSAR', Sergey Leonidovich; PAL'MOV, Ye.V., prof., retsenzent; LEDNEV, M.P., kand.tekhn.nauk, retsenzent; KRYZHOVA, M.L., red.izd-va; TURKINA, Ye.D., tekhn. red.

[Longitudinal rolling of merchant shapes with a varying cross section] Prodol'naia prokatka profilei peremennogo secheniia. Sverdlovsk, Metallurgizdat, 1962. 366 p. (MIRA 15:7)
(Rolling (Metalwork))

MAKAYEV, Sergey Vladimirovich; VINOKUROV, Izrail Yakovlevich; MERKSIN, Boris Vasil'yevich; FEYGIN, Geshel' Davidovich; SKRYABIN, Nikolay Petrovich; RYABOKON', Nikolay Kononovich; LEDNEV, M.P., retsenzent; KOTSAR', Sergey Leonidovich, red.; BUR'KOV, M.M., red.izd-va; MAL'KOVA, N.T., tekhn. red.

[Production of lightweight sections]Proizvodstvo oblegchennykh profilei. [By]S.V.Makaev i dr. Sverdlovsk, Metallurgizdat, 1962. 215 p. (MIRA 16:3)
(Rolling (Metalwork))

LEDNEV, N.

Our needs. Obshcheatv. pit. no.8:16-17 Ag '63. (MIRA 16:12)

1. Direktor Volgogradskogo oblastnogo tresta restoranov i kafe.

LEDNEV, N. A.

O edinitsakh otnositel'no tsiklicheskikh algebraicheskikh chislovykh -oley. Matem. SB., 6 (48), (1939), 227-262. Ob obratnoy zadache teorii Galua. Matem. SB., 9(51), (1941), 137-164.

SO: Mathematics in the USSR, 1917= 1947
edited by Kurosh, A.G.,
Markushevich, A. I.,
Rashevskiy, P.K.
Moscow-Lenigrad, 1948

LEDNEV, N. A.

"A New Method of Solution for Digferential Equations with Partial Derivatives," Matemat. Sbor., 22, No.2, 1948. Moscow

LEDNEV, N.A.

LEDNEV, N.A., professor; GROSHEV, A.V.; YELISTRATOVA, T.A., NIKITIN, B.D.; PENTKOVSKIY, M.V.; PREOBRAZHENSKIY, M.A.; RUMSHISKIY, L.Z.

[Practical mathematical work on calculating machines and instruments] Matematicheskii praktikum na schetnovychislitel'nykh priborakh i instrumentakh. Moskva, Gos. izd-vo "Sovetskaia nauka," 1954. 365 p. (Calculating machines) (Approximate computation) (MLRA 7:7)

LEDNEV, P.M.

Circuit of pulsed preventive signaling with overload protection of the windings of signal relays. Tats. predl. na gor. elektrotransp. no.9:72-73 '64. (MIRA 18:2)

1. Trest "Moselektrotrans".

LEDNEV, V. A. (Review)

PA 47/49T100

Jan 49

USSR/Oceanography
Publications

"Review of N. N. Zubov's Book, 'Dynamic Oceanology,'" V. A. Lednev, G. N. Zaytsev, 1 p

"Priroda" No 1

Favorable review of subject book, which treats oceanology as a natural science rather than pure physics as did Prof V. A. Beryozkin in his book, "Dynamics of the Sea."

47/49T100

LEDNEV, V.A.

12

(7)

Meteorological Abst.
Vol. 5 No. 1
Jan. 1954
Part 2
Bibliography on
General Oceanographic Meteorology

5A-166

Lednev, V. A. and Rudovits, L. F., Ob okeanograficheskikh rabotakh SSSR za poslednie tridtsat' let. [On oceanographic work of the USSR during the past thirty years.] *Meteorologiia i Gidrologiia*, No. 4:14-17, Dec. 1950. DLC—A paper summarizing the progress and results of oceanographic investigations carried out by the official Oceanographic and Marine Biological Institutes during the past 30 years, and by the Marine Hydrophysical Institute, the Oceanographical Institute of the Akademiia Nauk and the Marine Hydrophysical Laboratory at Katsiveli on the Black Sea. Research has been performed in the Arctic Seas, the Black and Azov Seas and the Pacific Ocean and adjacent seas. *Subject Headings:* 1. Oceanographic research 2. Progress in oceanography 3. U.S.S.R.—*A.M.P.* 551.46(47)

LEDNEV, Vs.A.

Hydrological conditions in the western region of the northeastern Atlantic Ocean. Trudy GOIN no.20:3-55 '52. (MIRA 11:3)
(Atlantic Ocean--Hydrology)

LEDNEV, V. A.

Subject : USSR/Meteorology AID P - 2599

Card 1/2 Pub. 71-a - 2/26

Author : Lednev, V. A.

Title : Changes in hydrological characteristics in the Azov, Aral and Caspian seas due to the decrease in river discharge

Periodical : Met i gidr, 4, 13-20, Jl/Ag 1955

Abstract : The article reports on the study made by the State Oceanographic Institute on future changes in the characteristics of these seas due to large hydraulic engineering projects under construction on the Volga, Don, Dnepr, Amu-Dar'ya and Kuban' rivers. While a considerable part of these river runoffs will be diverted for irrigation and water supply, it is expected that the salt content in the seas will increase while their levels will sink several meters. This will have an effect on the fish and consequently on the

AID P - 2599

Met i gidr, 4, 13-20, Jl/Ag 1955

Card 2/2 Pub. 71-a - 2/26

fish industry. Tables with salt content, present and future, for the 3 seas are given. Climatic conditions may be affected and it is expected that the ice cover will gain in volume. Six tables.

Institution : None

Submitted : No date

LEDNEV V.A.

USSR/Geography - Marine resources

Card 1/1 Pub. 86 - 8/36

Authors : Zenkevich, L. A., Mem. Corresp., Acad. Sc., USSR; Izhevskiy, G. K.; and Lednev, V. A.

Title : Researching the resources of seas and oceans

Periodical : Priroda 44/6, 63 -65, Jun 1955

Abstract : A sketch is presented of the history of the Permanent International Council for the Exploration of the Seas from its inception in 1902 to its 42nd session in Paris (3--12 October, 1954). The council was found to represent mainly countries of the Northwest of Europe although delegates from the Soviet Union and the USA attended as auditors. Twelve of the papers read dealt with herring. Some attention was also paid to the discovery of sea perch in the vicinity of Iceland.

Institution : .....

Submitted : .....

LEDNEV, V.A.

Thermal conditions of the Gulf Stream; survey of investigations. Trudy GOIN no.32:79-112 '56. (MLRA 10:1)
(Gulf stream)

AUTHOR: Lednev, V. A. 50-58-5-18/20

TITLE: Session of the International Council for Ocean Research (Sessiya Mezhdunarodnogo soveta po issledovaniyu morey)

PERIODICAL: Meteorologiya i Gidrologiya, 1958, Nr 5, pp 66-67 (USSR)

ABSTRACT: The current 45-th session of this council was held in Bergen, Norway, from September 29 to October 8, 1957. More than 170 scientists from different countries took part in it. The Soviet delegation of 10 scientists of the AS USSR, the Hydro-Meteorological Service (Gidrometeosluzhba) and VNIRO. In 15 committees 94 lectures were held most of which referred to the biology of fishery. Together with M. V. Fedosov (VNIRO) the author participated in the works of the Hydrographic Committee as well as in its numerous subcommittees. Further lectures are enumerated. On one of the Sundays an excursion into the surroundings of Bergen was made. In Oslo the historical ship "Fram", the Kon-Tiki-Museum, the House-Museum of Fridtjof Nansen and others were visited.

Card 1/2

Session of the International Council for Ocean Research

50-58-5-18/20

21 persons work in the Polar Institute. In Bergen 4 expeditionary ships were vistited. Aboard the ship "Gauss" a temperature-recording-instrument was shown during the sailing of the ship. The participation in the session enabled the Soviet oceanographers to acquire a deeper knowledge on the scientific directions in Europe outside the USSR, and made them acquainted with new data on the research methods of oceanography and on the technique of expeditionary instruments in these countries. Personal scientific contacts were made.

1. Oceanography--USSR 2. Scientific reports

Card 2/2

IVANOV, V. A. and ARKHIPOVA, A. G.

"The Water Temperature Fluctuations and Thermal Balance Elements Variability in the Atlantic."
report to be submitted for the Intl. Cong. New York City, 31 Aug - 11 Sep 1959.
Oceanographic

(Nat. Oceanographic Inst., Moscow)

SOV/50-59-11-16/17

3(9)
AUTHOR: Lednev, V. A.

TITLE: Fifth Trip of the Expeditionary Ship "Mikhail Lomonosov" in the Atlantic

PERIODICAL: Meteorologiya i gidrologiya, 1959, Nr 11, pp 69 - 70 (USSR)

ABSTRACT: The expedition of the Morskoy gidrofizicheskiy institut Akademii nauk SSSR (Institute of Marine Hydrophysics of the Academy of Sciences, USSR) operated from April 17 to July 10, 1959 on the expeditionary ship "Mikhail Lomonosov" according to the program of international geophysical cooperation. Scientific workers of the institutes of the Akademiya Nauk SSSR (Academy of Sciences, USSR), of the Gidrometeosluzhba (Hydrometeorological Service) and of the VNIRO took part in the expedition. The expedition was conducted by A. A. Ivanov, Doctor of Physical and Mathematical Sciences. A group of geophysicists from the German Democratic Republic also worked on the ship. They made observations on heat balance, temperature and salt content of the water, and on the currents and electric phenomena in the atmosphere. Two principal sections were carried out during the trip: a latitudinal section along 60°N from the Faeroes to 30°W

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and a section along the 30°W meridian from the Greenland Shelf to 22°02'S. A number of stops were made on the trip in the direction of Rio de Janeiro and Dakar. A total of 198 observations were made with the bathythermograph. The radiation balance and its components were recorded during the trip, a continuous echo sounding was carried out, aerometeorological observations were made, 120 radio balloons were sent up to supply the expedition with weather forecasts. The observation results on this trip supplied the first systematic, comprehensive oceanographic data along the longitudinal axis of the Atlantic from the northern polar waters down to the central part of the Brazilian depression. New, scientifically and practically interesting data were obtained. A comparison with previous data shows a stability of boundaries and properties of the water masses in the ocean, and slight changes in their character at a depth of below 2000 m. The bottom of the sea was photographed; a lava stream at a depth of 2430 m was detected in this way. The biological investigations permitted three different zones to be determined in the meridian section with respect to the qualitative

and quantitative composition of benthos and plankton. Between these three zones, there are zones with very low indices for the biomass of the benthos (particularly the zone of northern trade winds, and the area of the Brazilian depression from 10 to 20°S).

LEDNEV, V.A.

Exploration of the Atlantic Ocean on the research ship "Mikhail Lomonosov" in 1960. Okeanologiia 2 no.1:160-164 '62. (MIRA 15:2)

(Atlantic Ocean--Oceanographic research)

LEDNEV V. A.

S/021/62/000/006/010/013
D251/D308

AUTHOR: None given

TITLE: On the scientific results of the expedition of the Kors'kyy hidrofizychnyy instytut AN URSR (Marine Hydrophysical Institute of the AS UkrSSR) in the research ship 'Mykhaylo Lomonosov' to the Atlantic ocean

PERIODICAL: Akademiya nauk Ukrayins'koyi RSR. Dopovidi, no. 6, 1962, 831

V. O. LEDNEV

TEXT: The article is a report of the paper read by V.O. Lyednyev, Candidate of Physical and Mathematical Sciences, the leader of the 11th voyage of the 'Mykhaylo Lomonosov' (August-December 1961) to the Presidium of the AS UkrSSR. The principal results of the expedition's work in physics, physical chemistry, aero-meteorology and biology were given. Particular mention is made in the report of the direct measurement of turbulence and determination of the fluctuations of the fields of temperature and salinity and of the flow of ocean water and air and also of the measurement of radioactivity and of deep flow. Continuous echo-sounding was carried out to determine

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On the scientific results of the ...

the depth of the ocean. The data collected were placed at the disposal of various interested State and All-Union bodies. The Presidium expressed their appreciation of the work done by the expedition, thanking especially the leader and the captain of the 'Mykhaylo Lomonosov' Prylyud'ko and spoke of the further experiments to be carried out by the Marine Hydrophysical Institute.

Card 2/2

LEDNEV, V.A.; POTAYCHUK, M.S.

Discharge of Atlantic water through the Faroe-Shetland Channel. Vop. geog. no.62:66-80 '63. (MIRA 17:3)

LEDENEV, V.G., mladshiy nauchnyy sotrudnik

Movement of surface waters of the Benguela Current. Inform. biul. Sov. antark. eksp. no.46:18-21 '64 (MIRA 18:1)

State of fast ice near Mirnyy during the navigation season of 1962/63 Ibid.:26-30

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.

LEDNEV, V.I. (g. Bolotnoye Novosibirskoy oblasti).

Specific gravity of the elements. Khim. v shkole 12 no.3:77-78 My-Je '57. (MLRA 10:6)

(Chemical elements)

LEDNEV, V.I.

The tasks of planning organizations. Transp.stroi. 6 no.2: 10-14 F '56. (MLRA 9:6)

1.Nachal'nik Glavtransproyekta.
(Railroads--Construction)

LEDNEV, V.I.; VERTSMAN, G.Z.

Methods of improving design quality and reducing costs of construction. Transp. stroi. 8 no. 7:1-4 Jl '58. (MIRA 11:7)

1. Nachal'nik Glavtransproyekta(for Lednev). 2. Rukovoditel' otdeleniya izyskaniy i proyektirovaniya TSentral'nogo nauchno-issledovatel'skogo instituta svyazi(for Vertsman).
(Railroads)